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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/082,760	02/25/2002	Carl P. Morse	SAA-70	4401

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EXAMINER
JANKUS, ALMIS R

ART UNIT	PAPER NUMBER
2671	6

DATE MAILED: 07/06/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/082,760	MORSE, CARL P.	
	Examiner	Art Unit	
	Almis R Jankus	2671	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 April 2004*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-55* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☒ Claim(s) *12,13,34,35,47,48,54 and 55* is/are allowed.

6)☒ Claim(s) *1-11, 14-33, 36-46, 49-53* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☐ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

1. Applicant's amendment of 4/12/04 has been considered in preparing this office action.

2. Claims 1-11, 14-33, 36-46, and 49-53 stand rejected under 35 U.S.C. 102(a) as being anticipated by Engdahl.

With respect to claim 1, Engdahl teaches the claimed method, for a factory process comprising a plurality of tasks, to permit monitoring of the process, the method comprising displaying the factory process in real-time as a three-dimensional, free-camera, computer generated representation of the process as a whole, at column 2 line 9 to column 3 line 24, the "free camera" being taught at the abstract, with the user being able to move within the virtual factory floor among the spatially linked objects; and selectively displaying each of the tasks in real-time as a three-dimensional, free-camera, computer generated representation of the respective task, at column 3 lines 3-8.

Claim 2 further requires selectively displaying data representative of a status of the displayed process. Engdahl teaches this at column 6 line 66 to column 7 line 15.

Claim 3 further requires selectively displaying data representative of a status of one of the displayed tasks. Engdahl teaches this at column 7 lines 39-52.

Claim 4 further requires selectively displaying data representative of a status a plurality of the displayed tasks. Engdahl teaches this at column 2 lines 22-43, with the claimed tasks corresponding to machines.

Claim 5 further requires the process to have a controllable parameter and the method to include controlling the parameter of the factory process. Engdahl teaches this at column 6 line 66 to column 7 line 15.

Claim 6 further requires one of the tasks to have a controllable parameter and the method to include controlling the controllable parameter of the task. Engdahl teaches this at column 6 line 66 to column 7 line 15.

Claim 7 further requires a plurality of the tasks to have a controllable parameter and the method to include selectively controlling the controllable parameter of each of the tasks. Engdahl teaches this at column 6 line 66 to column 7 line 15.

Claim 8 further requires one of the tasks to have a sub-task and the method to include selectively displaying the sub-task in real-time as a three-dimensional, free-camera, computer generated representation of the respective task. Engdahl teaches this at column 7 lines 17-28 with the sub-task being a physical movement of the machine, for example.

Claim 9 further requires the sub-task to have a controllable parameter and the method to include controlling the controllable parameter of the sub-task. Engdahl teaches this at column 7 lines 17-28.

Claim 10 further requires a plurality of the tasks to have a respective plurality of sub-tasks and the method to include selectively displaying the sub-tasks in real-time as a three-dimensional, free-camera, computer generated representation of the respective sub-tasks. Engdahl teaches this at column 7 lines 17-28.

Claim 11 further requires each of the sub-tasks to have a controllable parameter and the method to include controlling the controllable parameter of the sub-tasks. Engdahl teaches this at column 7 lines 17-28.

Claims 14-22 and 49-53 recite features corresponding to claims 1-11; thus, claims 14-22 and 49-53 are rejected using rationale presented above for respective features of claims 1-11.

Claims 23-33 are similar to claims 1-11 but further require a computer readable medium. Engdahl teaches using a computer readable medium at columns 11-12.

Claims 36-46 are similar to claims 1-11 but further require a system. Engdahl teaches this at column 11.

3. Claims 12-13, 34-35, 47-48, and 54-55 are allowed.

4. Applicant's arguments filed 4/12/04 have been fully considered but they are not persuasive.

In the remarks, the applicant argues that Engdahl fails to teach a "free camera", which permits an operator to monitor and view the virtual image of a factory process from effectively every orientation including zooming. However, Engdahl teaches

changing the viewpoint, at claim 1, and zooming at the first paragraph of column 7. Further, applicant argues that Engdahl does not describe the factory process as a whole as being monitored in real-time. However, the first paragraph at column 7 teaches a watch tool which is used for measuring real-time occurrences in the factory environment as reflected in its virtual depiction. The virtual depiction corresponds to the claimed "computer generated representation of the process". Therefore, applicant's assertion that Engdahl fails to teach a free camera; and monitoring a factory process in real time, in incorrect.

5. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Almis R Jankus whose telephone number is 703-305-9795. The examiner can normally be reached on M-F, 8-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mark Zimmerman can be reached on 703-305-9798. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AJ

ALMIS R. JANKUS
PRIMARY EXAMINER